

PRODUCT GUIDE

Landscape To Portrait Mount

PRODUCT NUMBER(S)

7160-2230 Series



7160-2230-00



7160-2230-01



7160-2230-02



7160-2230-03

For more language options and/or questions, please contact a Gamber-Johnson representative at **+1 800.756.9198**

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Thank you for choosing Gamber-Johnson.

Welcome to your new **Gamber-Johnson Motion Attachment**—engineered for **mission-critical reliability** in the toughest environments. At Gamber-Johnson, we understand that your technology is more than a tool; it's a lifeline. That's why our rugged mounting solutions and docking stations are designed to integrate seamlessly with your equipment, ensuring **secure connections** and **reliable performance** wherever your job takes you.

This guide will walk you through the safe and effective installation of your **Motion Attachment**.

Inside, you'll find:

- Inventory list of what's included
- Step-by-step installation instructions
- Images for easy reference
- Essential safety information to ensure proper setup and operation

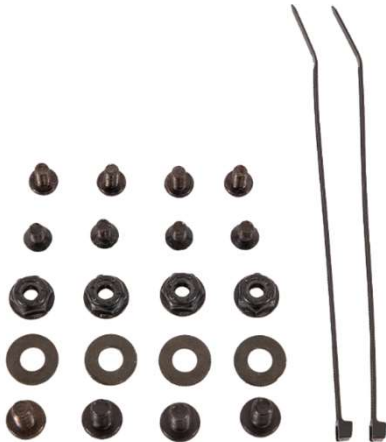
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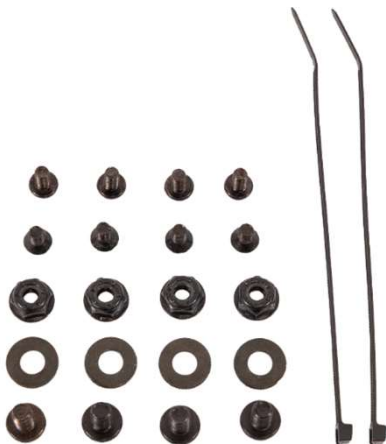
7160-2230-00



QTY	P/N	DESCRIPTION
1	N/A	Landscape to Portrait Mount

QTY	P/N	DESCRIPTION
1	7120-1284	Hardware Bag

7160-2230-01



QTY	P/N	DESCRIPTION
1	N/A	Landscape to Portrait Mount W/ 75mm Vesa Base

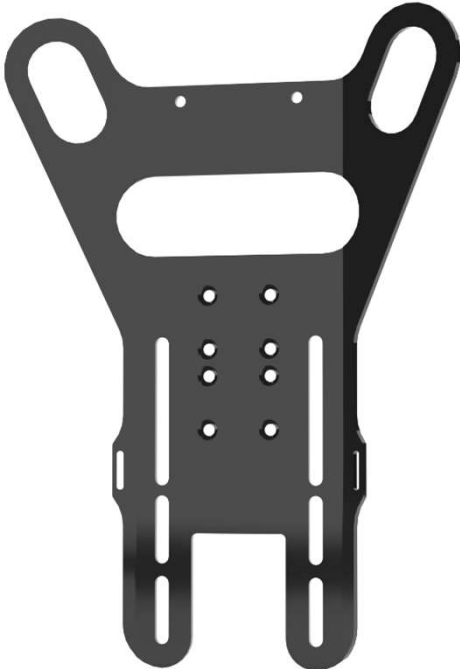
QTY	P/N	DESCRIPTION
1	7120-1284	Hardware Bag

7160-2230-02



QTY	P/N	DESCRIPTION
1	N/A	Landscape to Portrait Mount

QTY	P/N	DESCRIPTION
1	7120-1284	Hardware Bag



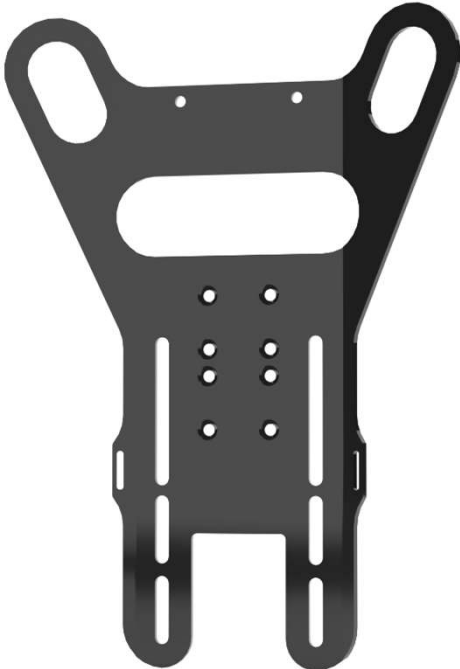
QTY	P/N	DESCRIPTION
1	22283	Rotational Assist Plate

7160-2230-03



QTY	P/N	DESCRIPTION
1	N/A	Landscape to Portrait Mount

QTY	P/N	DESCRIPTION
1	7120-1284	Hardware Bag



QTY	P/N	DESCRIPTION
1	22283	Rotational Assist Plate

WARNING

You must read and follow all of these installation instructions. Failure to follow the installation instructions may result in serious bodily injury or death

DO NOT install or use this assembly in the area in which the airbag on the vehicle may be deployed. The installer and user of this assembly are responsible for installing and using this assembly outside the area in which an airbag may be deployed. (See Product Mounting Disclaimer Below)

If the installation of the equipment requires that the equipment (or any additional equipment that is added to the installation) be placed in front of an airbag, the airbag should be deactivated. In order to secure permission for deactivating the airbag you must contact the National Highway Traffic Safety Administration at 1-800-424-9393 to gain permission to do so. If you have any questions or need assistance, call Gamber-Johnson at **+1 800-756-9198**.

High speed vehicle turns may cause parts of the assembly to swivel, interfering with the driver or other equipment.

Keep these installation instructions with the product and readily available in the vehicle for future reference of other users of the product.

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DO NOT remove any warning labels from the product under any circumstances.

7160-2230-00



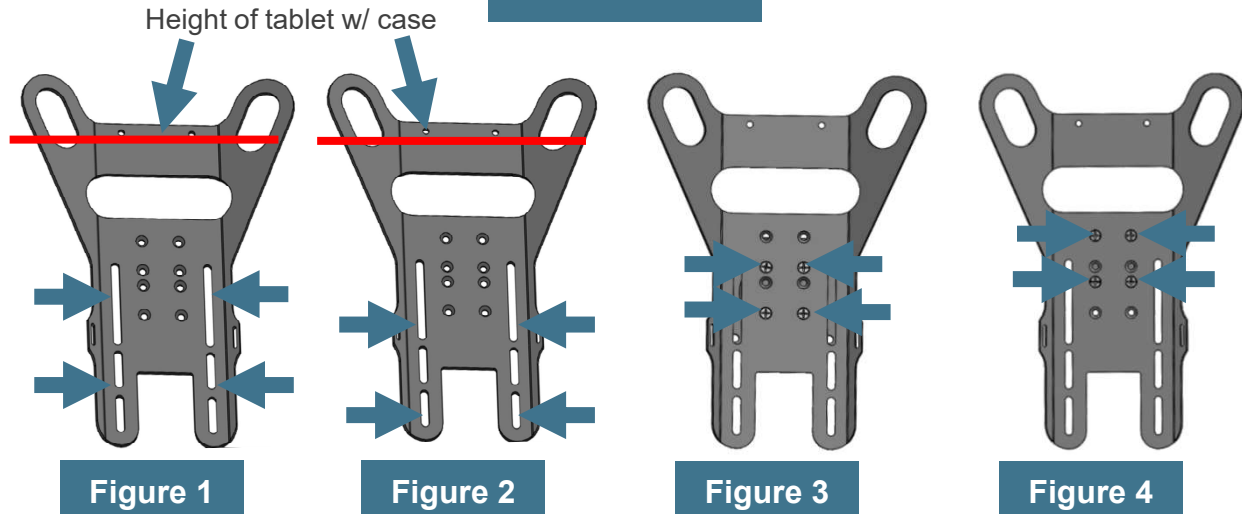
1. The 7160-2230-00 Landscape to Portrait Mount incorporates an AMPS mounting pattern on each side with 10-32 threaded holes.

7160-2230-01



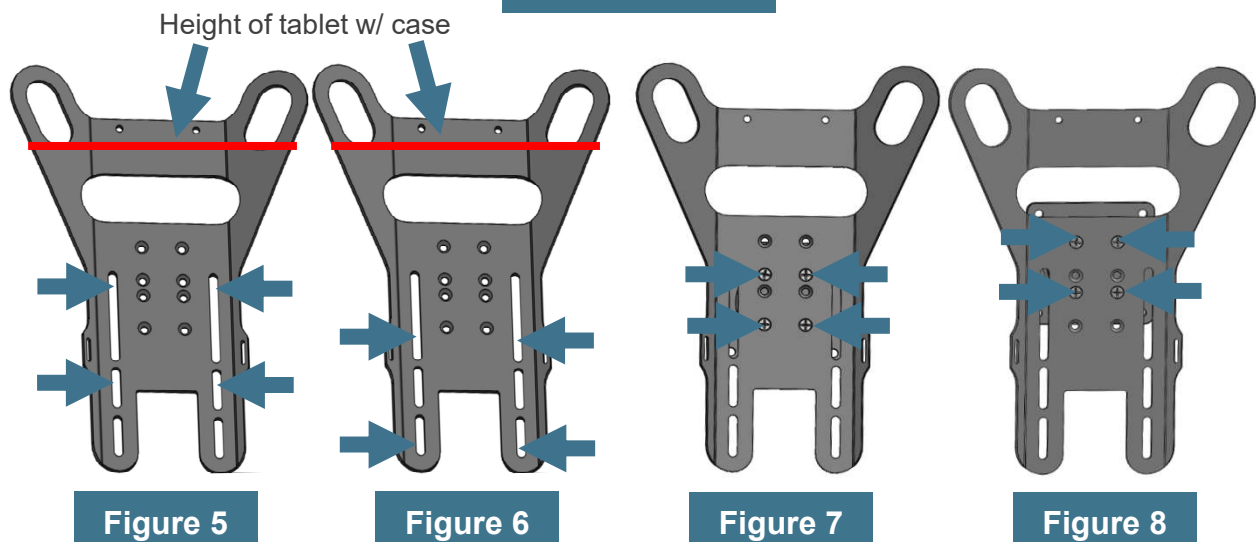
1. The 7160-2230-01 Landscape to Portrait Mount incorporates an AMPS mounting pattern with 10-32 threaded holes on one side and a VESA 75mm through hole mounting pattern on the other requiring the use of 1/4" hardware.

7160-2230-02



1. Determine which VESA mounting pattern to use to get the Rotational Assist Plate to be just above the tablet with case to assist in overcoming the indents of the Landscape to Portrait Mount. (Figures 1 and 2)
2. The 7160-2230-02 Landscape to Portrait Mount (L to P Mount) incorporates an AMPS mounting pattern on each side with #10-32 threaded holes. The 22283 Rotational Assist Plate attaches to the side of the L to P Mount with the brass inserts using the #10-32 X 0.375" flat head screws from hardware bag 7120-1284. Use the AMPS mounting pattern on the 22283 Rotational Assist Plate that gets the rotation as close to the center of the tablet as possible. (Figures 3 and 4)

7160-2230-03



1. Determine which VESA mounting pattern to use to get the Rotational Assist Plate to be just above the tablet with case to assist in overcoming the indents of the Landscape to Portrait Mount. (Figures 5 and 6)
2. The 7160-2230-03 Landscape to Portrait Mount incorporates an AMPS mounting pattern with #10-32 threaded brass inserts on one side and a VESA 75mm through hole mounting pattern on the other requiring the use of 1/4" hardware.
3. The 22283 Rotational Assist Plate attaches to the L to P Mount AMPS pattern using the #10-32 X 0.375" flat head screws from hardware bag 7120-1284. Use the AMPS mounting pattern on the 22283 Rotational Assist Plate that gets the rotation as close to the center of the tablet as possible. (Figures 7 and 8)

The mounting scenarios shown below are generalized and are for reference due to the multiple possible mounting configurations the Landscape to Portrait Mount and the Rotational Assist Bracket could be used in. If you have any questions or need assistance, call Gamber-Johnson at **+1 800-756-9198**.



Figure 1



Figure 2

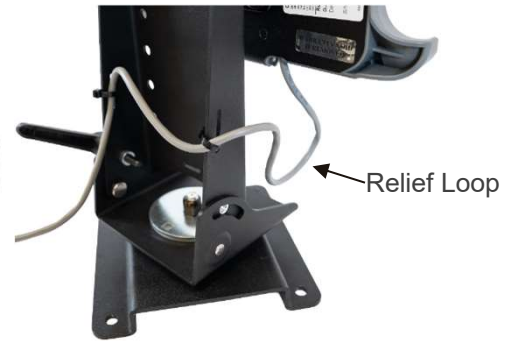


Figure 3

1. Mount the docking station to the VESA 75 side of the Landscape To Portrait Mount using the hardware that came with the docking station. (Figure 1)
2. Mount the AMPS side of the Landscape To Portrait Mount to a clevis using the appropriate #10-32 screws from the 7120-1284 hardware bag. Use the pan head screws if the clevis has through holes or the flat head screws if the clevis has countersunk holes. (Figure 2)
3. Determine the direction of rotation desired, clockwise or counterclockwise, that works best for the mounting configuration and secure all cables using the cable ties from hardware bag 7120-1284 leaving a stress relief loop to allow the device to rotate without causing stress to the connectors or cables in all directions of rotation. (Figure3)

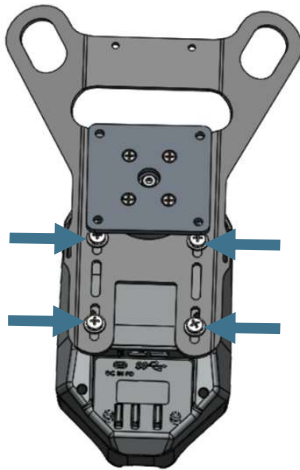


Figure 5

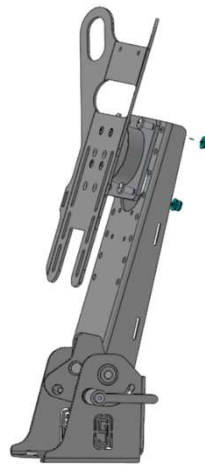


Figure 6

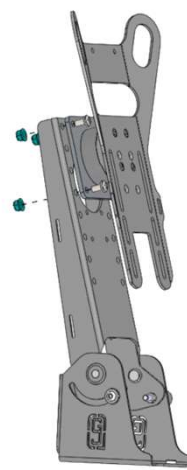


Figure 7



Figure 8

1. Mount the dock to the Rotational Assist Bracket in the chosen VESA pattern using the hardware that came with the dock. (Figure 5)
2. Mount the VESA side of the Landscape to Portrait Mount to the clevis using the 1/4"-20 x 1/2" button head screws and flange nuts from the hardware bag (7120-1284). (Figures 6 and 7)
3. Determine the direction of rotation that works best for the configuration and secure the cables with the cable ties from the hardware bag (7120-1284) providing a strain relief loop to ensure there is no stress placed on the cables or connections while rotating the mount. (Figure 8)

The mounting scenarios shown below are generalized and are for reference due to the multiple possible mounting configurations the Landscape to Portrait Mount and the Rotational Assist Bracket could be used in. If you have any questions or need assistance, call Gamber-Johnson at **+1 800-756-9198**.

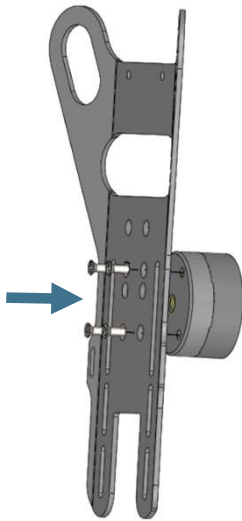


Figure 1

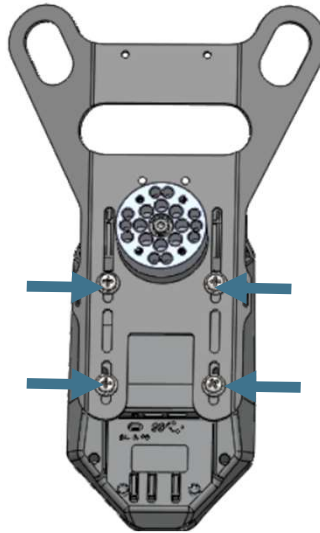


Figure 2

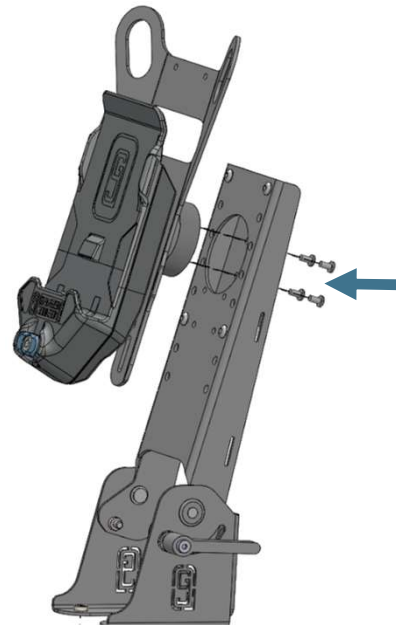


Figure 3



Figure 4



Figure 5



Figure 6

1. Mount the Rotational Assist Bracket to the Landscape to Portrait Mount's AMPS pattern with the brass inserts using the #10-32 X 0.375" flat head Phillips screws from the hardware bag (7120-1284). (Figure 1)
2. Mount the dock to the Rotational Assist Bracket using the hardware that came with the dock. (Figure 2)
3. Mount the Landscape to Portrait Mount with the Rotational Assist Bracket attached to the recessed plate of the Fold Flat Display Mount using the #10-32 X 0.375" pan head Phillips screws from the hardware bag (7120-1284). (Figures 3)
4. Determine the direction of rotation that works best for the configuration and secure the cables with the cable ties from the hardware bag (7120-1284) providing a strain relief loop to ensure there is no stress placed on the cables or connections while rotating the mount. (Figures 4-6)



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Product Mounting Disclaimer

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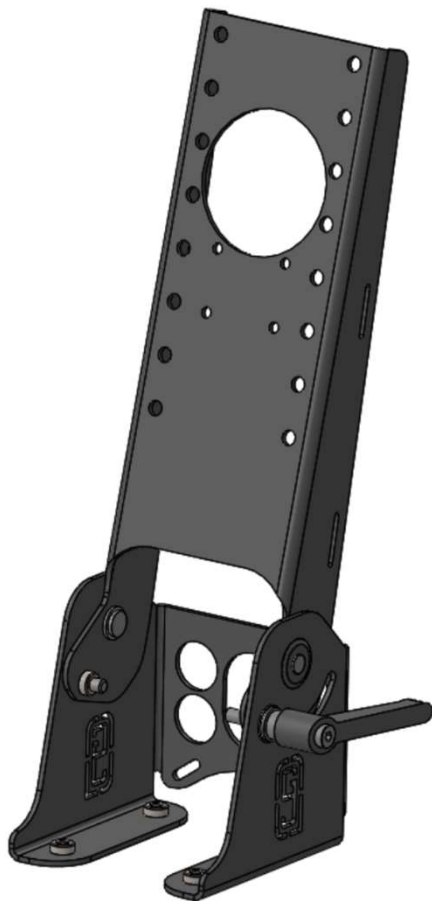
PRODUCT GUIDE

Fold Flat Display Mount, With 1.5" Riser Bracket

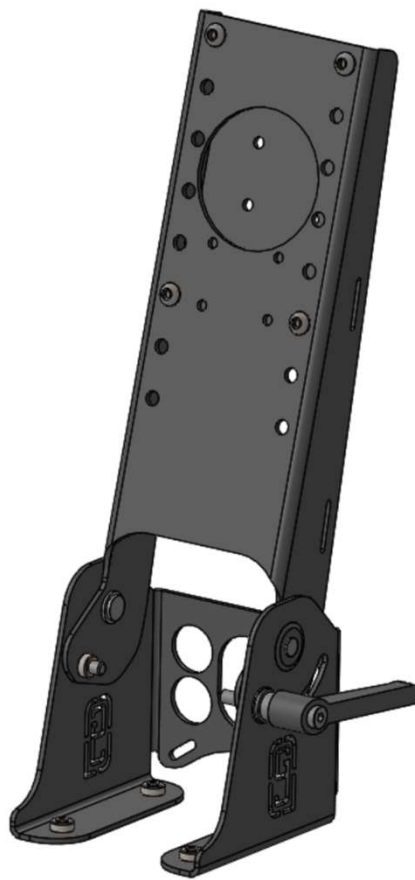
PRODUCT NUMBER(S)

7160-2160 Series

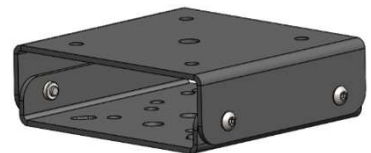
7110-1493



7160-2160



7160-2160-01



7110-1493

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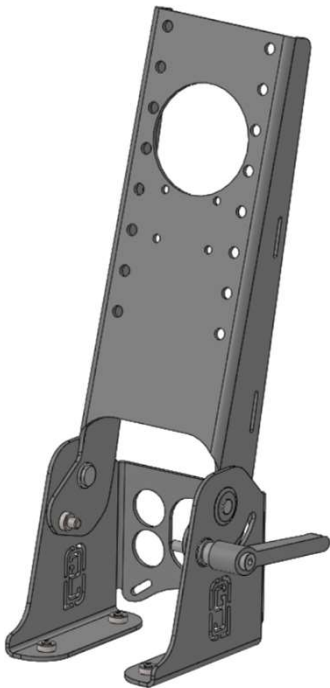
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7160-2160

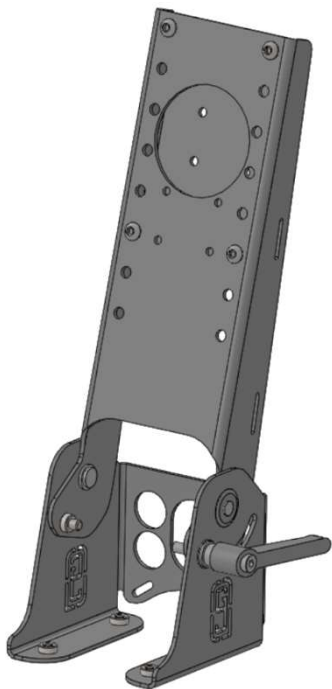


QTY	P/N	DESCRIPTION
1	7160-2160	Fold Flat Tablet Display



QTY	P/N	DESCRIPTION
1	7120-1323	Hardware Bag- Fold Flat Display Bracket

7160-2160-01



QTY	P/N	DESCRIPTION
1	7160-2160-01	Fold Flat Tablet Display



QTY	P/N	DESCRIPTION
1	7120-1323	Hardware Bag- Fold Flat Display Bracket

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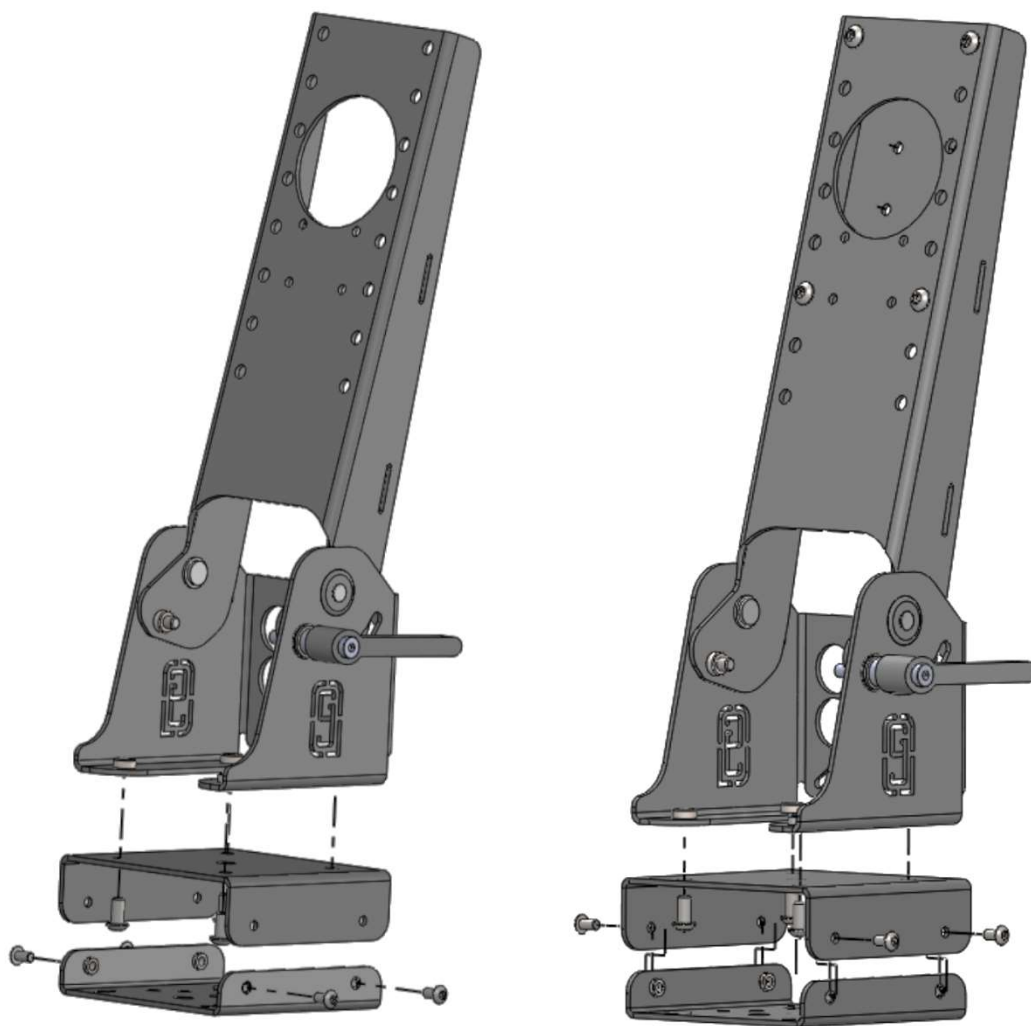
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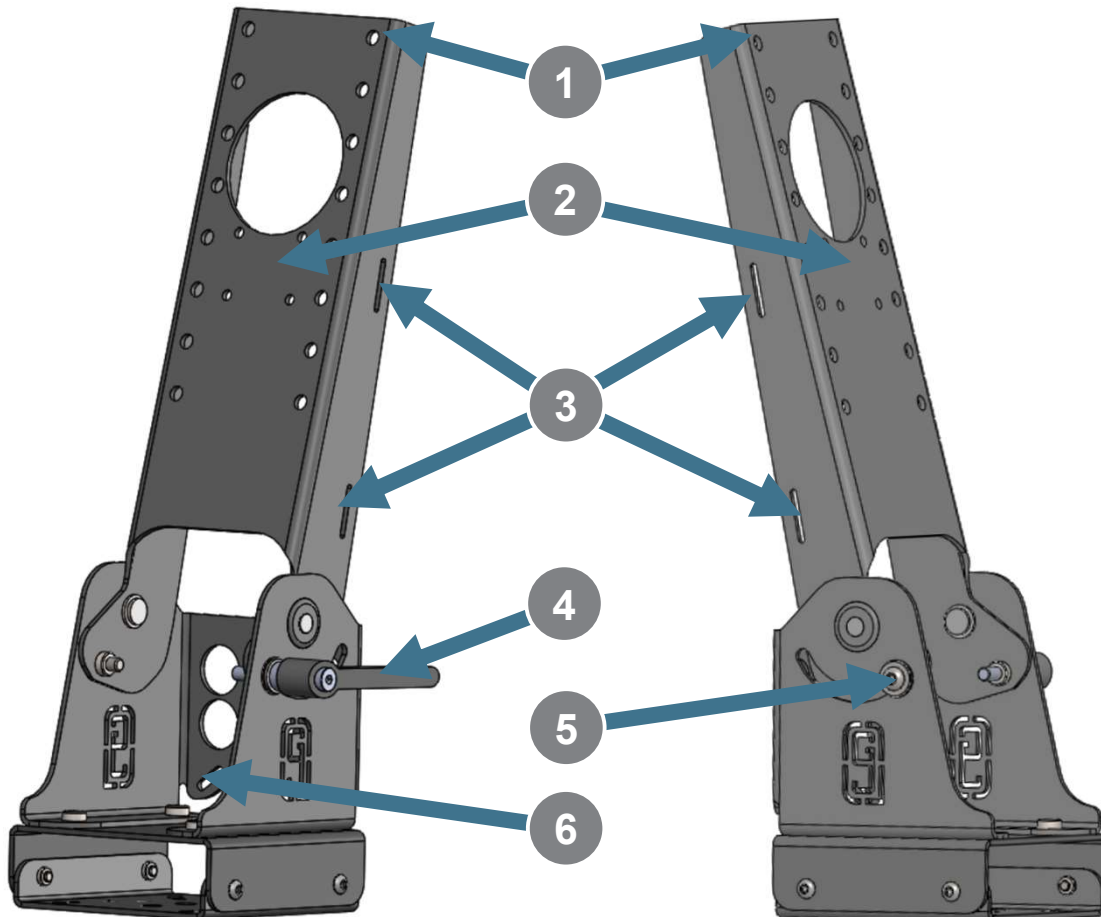
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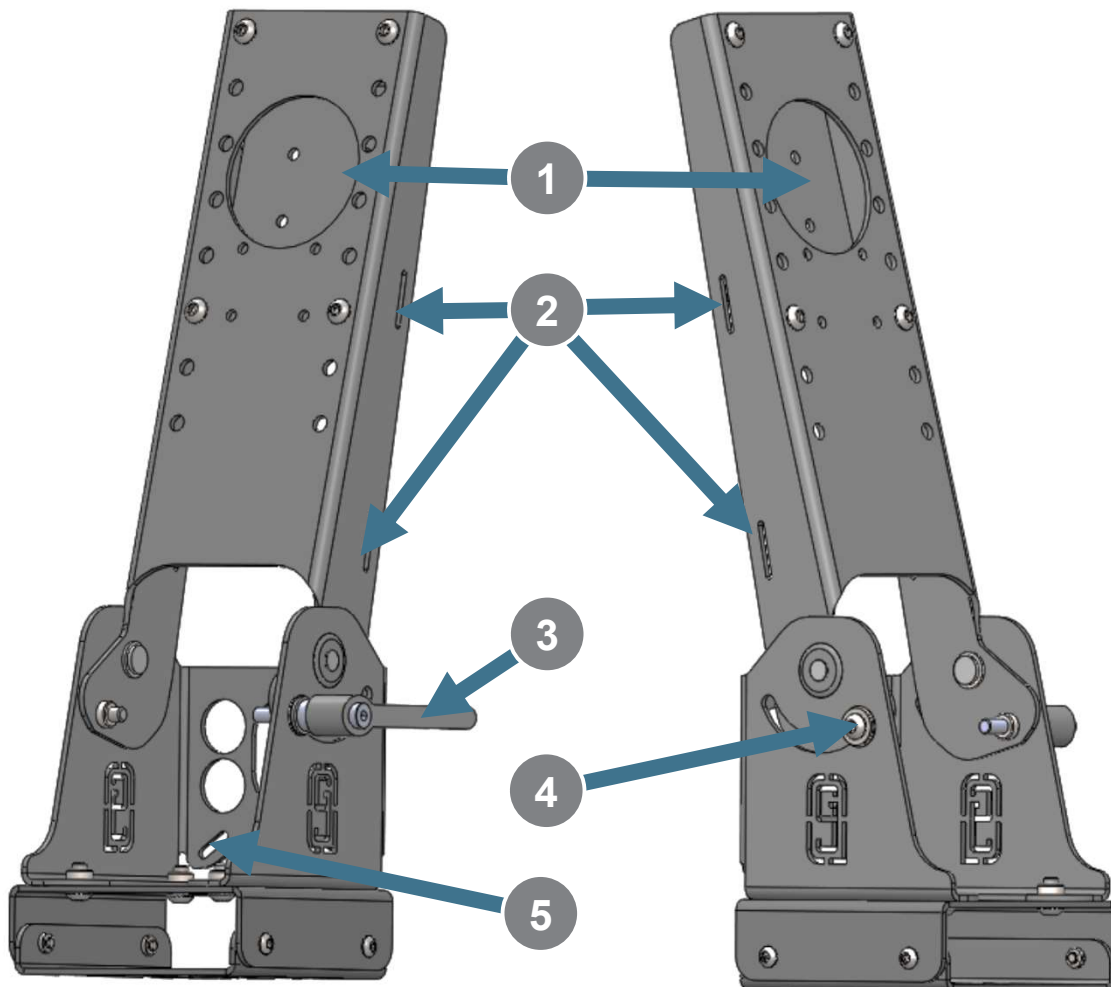


1. Remove the 4 screws connecting the 2 parts of the 1.5" Riser Block (7110-1493) together. Attach the lower part of the 1.5" Riser Block the selected mount or motion device. Attach the top part of the 1.5" Riser Block to the Fold Flat Display Mount (7160-2160-01) using the 4 screws from hardware bag 7120-1323. Reassemble the 2 parts of the 1.5" Riser Block.

**7160-2160 With
7110-1493**

1. The Fold Flat Mount has 4 Vesa 75mm mounting patterns (Item 1), and 1 AMPS mounting pattern (Item 2).
2. Use the integrated cable restraints located on either side of the upper portion of the mount (Item 3) and also on the lower half (Item 6) to secure all cables connected to the device. Ensure there is a relief loop in the cables between the upper and lower parts of the mount to allow full tilt of the mount.
3. Loosen the Fold Flat Mount adjustment handle (Item 4) to adjust the mount to the desired location, then tighten the handle to lock the mount in position. The handle can be moved to a non-interfering position after tightening by pulling out on the handle, rotating it to the desired position, and then releasing it.
4. The Fold Flat Mount's tilt activation force may be adjusted to a preferred tension by either loosening or tightening the adjustment screw (Item 5).

7160-2160-01
With 7110-1490



1. The Fold Flat Mount has a recessed AMPS mounting pattern designed to be used with a 7160-2230-00 or 7160-2230-02 Landscape to Portrait Mount to allow the Fold Flat Mount to lay flat when in the stowed position. (Item 1)
2. Use the integrated cable restraints located on either side of the upper portion of the mount (Item 2) and also on the lower half (Item 5) to secure all cables connected to the device. Ensure there is a relief loop in the cables between the upper and lower parts of the mount to allow full tilt of the mount. If using a Landscape to Portrait Mount with the Fold Flat Mount, ensure there is also a relief loop to allow rotation of the device in both directions.
3. Loosen the Fold Flat Mount adjustment handle (Item 3) to adjust the mount to the desired location, then tighten the handle to lock the mount in position. The handle can be moved to a non-interfering position after tightening by pulling out on the handle, rotating it to the desired position, and then releasing it.
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PRODUCT GUIDE

MONGOOSE® XLE PART FAMILY WITH RISER BLOCK

PRODUCT NUMBER(S)

7160-2177 SERIES



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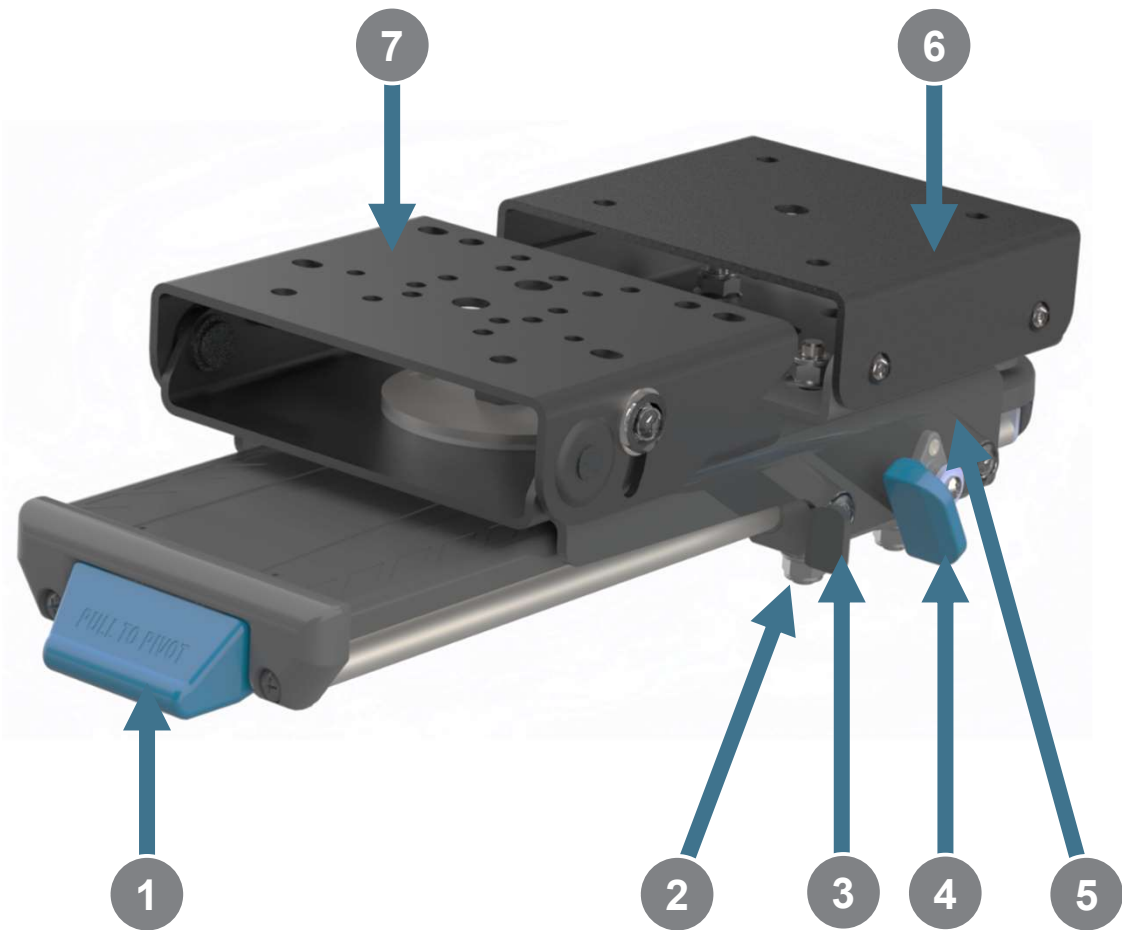
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	DESCRIPTION
1	Pivot Lever
2	Mounting Studs
3	Thumb Rest
4	Brake Lever
5	Carriage
6	Riser Plate
7	Keyboard Mount

WARNING

You must read and follow all of these installation instructions prior to use. Failure to follow all of these installation instructions may result in serious bodily injury or death.

Do not install or use the Mongoose XLE in the area in which the airbag on the vehicle will be deployed if it is activated. The installer and user of the Mongoose XLE are responsible for installing and using the Mongoose XLE outside the area in which an airbag will be deployed if activated. (See Product Mounting Disclaimer Below)

The carriage of the Mongoose XLE should always be moved to the stowed position or furthest point over the pivoting end of the arm before operating or moving the vehicle. This stowed position must also be located outside of the air bag zone.

Never use equipment that has been damaged, is missing parts, or has the braking system disabled.

Keep these installation instructions with the product and readily available in the vehicle for future reference of other users of the product.

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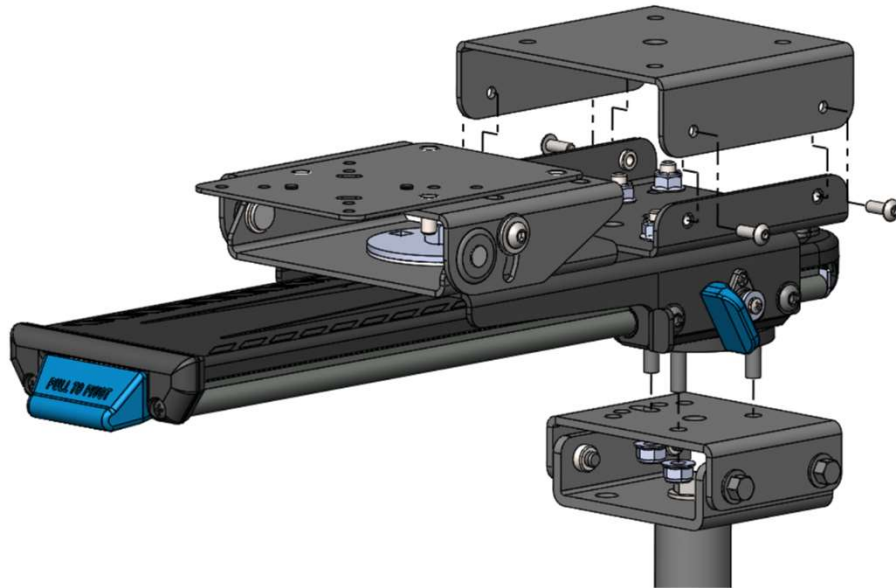


Figure 1

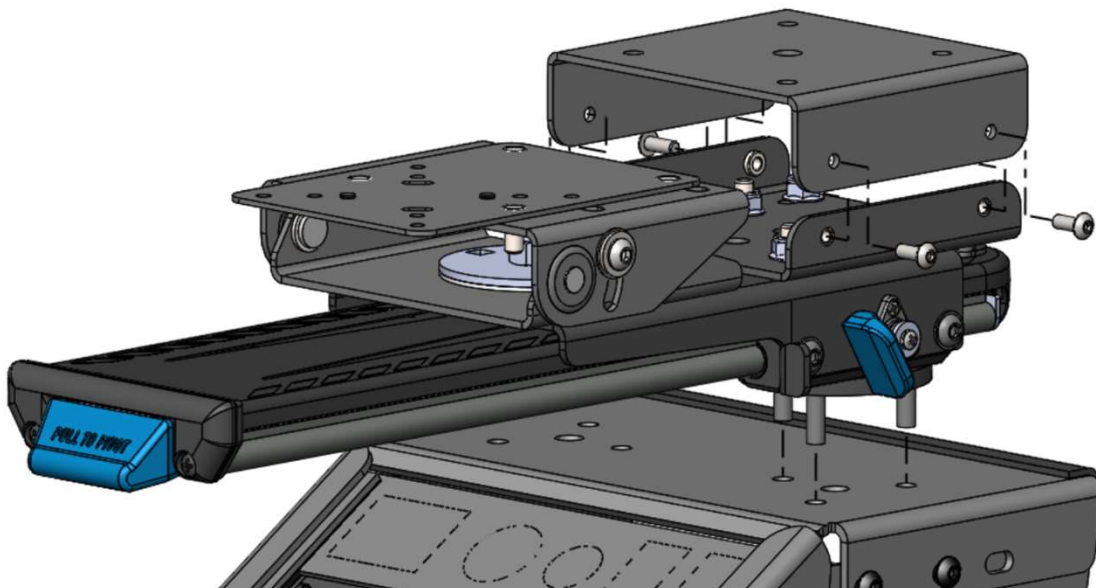
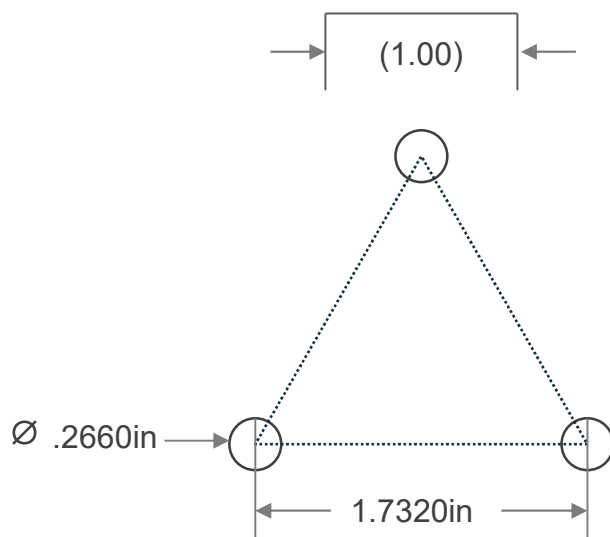
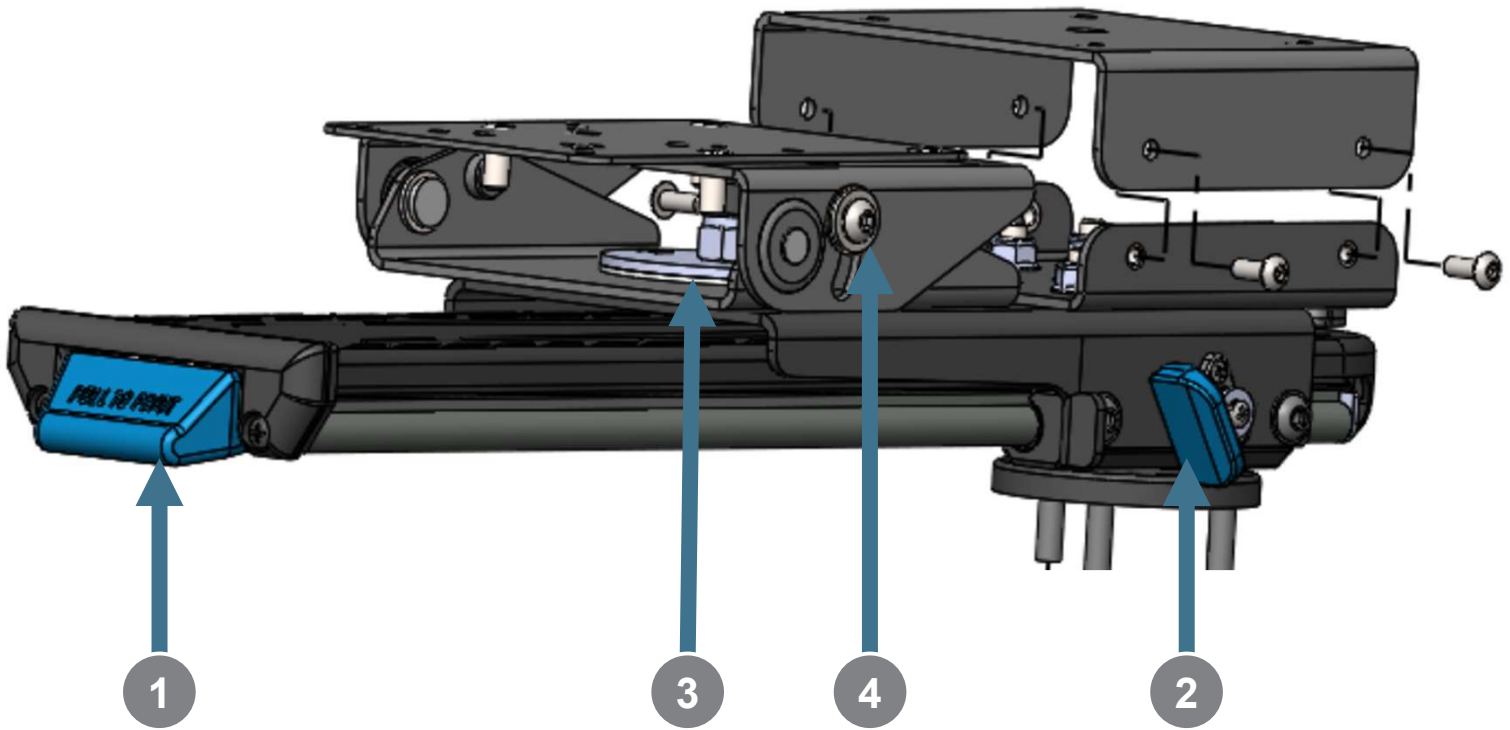


Figure 2

1. The Mongoose XLE mounts directly to a Center Upper Pole (Figure 1) or other type mounting equipment that contains a Gamber Johnson 3-hole pattern cutout (Figure 2).
2. To mount on a Center Upper Pole or other type of mounting equipment that contains a Gamber-Johnson 3-hole pattern cutout, set the arm on the mount so the 1/4-20 studs protrude through the triangular patterned holes. Attach with the provided flanged lock nuts.



1. Use the template above if the mounting pattern needs to be drilled into a mounting surface.
2. Ensure that the printing of this template is done to a 1: 1 scale.



The Mongoose XLE is designed with color-coded touch points and will accommodate four motions of adjustment. The 1.5" Riser Block allow the Display Mount to fold flat over a keyboard.

1. The first motion is a 360° pivot that is actuated by the blue, front pivot lever. Pulling out on the lever releases the gear latch located in the base and allows the mount to swivel. To latch the arm in place, position the arm in the desired location and release the spring-loaded lever. Move the arm back and forth to ensure the lever has engaged the teeth on the gear.
2. The second motion is the slide. To actuate the slide, disengage the brake by pulling and holding the spring-loaded, blue brake lever. Once the brake is disengaged, the carriage of the Mongoose XLE will slide effortlessly to the desired position. Release the brake lever to automatically engage the brake. The carriage may move up to 1 inch before locking into a set position. To return the carriage to the stowed position simply push the device mounted to the clevis toward the stowed position. Audible clicks will be heard as it passes-thru each of the many set positions.
3. The third motion is the clevis swivel. The clevis can rotate 360°.
4. The fourth motion is the clevis tilt. The clevis is designed to fold flat without the need to loosen a lock lever when the display mount is moved to the stowed(flat) position. The amount of force it takes to fold flat is adjustable by loosening or tightening the hex bit cap screw on the side of the clevis.



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